

ON-LINE DATA COMPRESSION ANALYSIS AND REGULATION**ABSTRACT OF THE DISCLOSURE**

5 Data compression efficacy in a data storage system is analyzed, and data compression modified in accordance with the results of such analysis, thereby saving otherwise wasted processor time when data compression is poor. Multiple input data blocks are received for storage in a data storage subsystem, and a predetermined compression process is applied thereto. Application of the predetermined compression
10 process is evaluated according to a predetermined compression criteria. If the compression fails to satisfy the predetermined compression criteria, application of the predetermined compression process ceases.

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